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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/709,741	05/26/2004	Christopher Anthony Kaminski	839-1417	3740
30024	7590	06/29/2005		
NIXON & VANDERHYE P.C. 901 NORTH GLEBE ROAD, 11TH FLOOR ARLINGTON, VA 22203			EXAMINER WAKS, JOSEPH	
			ART UNIT 2834	PAPER NUMBER

DATE MAILED: 06/29/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/709,741	KAMINSKI ET AL.	
	Examiner	Art Unit	
	Joseph Waks	2834	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 May 2004.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-11 is/are allowed.
- 6) ☒ Claim(s) 12-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 26 May 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 05/19/05.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 12-15 are rejected under 35 U.S.C. 102(b) as being anticipated by Fokuda et al. (US 5,811,907).

Fokuda et al. disclose invention as claimed: a rotor 20 comprising: a plurality of winding assemblies 27, and a magnetic core 24 having two poles 25 coupled to a respective one of the winding assemblies, the magnetic core including first and second parallel faces extending substantially perpendicular to a quadrature axis of the magnetic core, first and second projections 29 connected to the first and second parallel faces and extending beyond the parallel faces in a direction along the quadrature axis in opposite directions.

3. Claim 12 is also rejected under 35 U.S.C. 102(b) as being anticipated by Wang et al. (US 6,590,311).

Wang et al. disclose invention as claimed: a rotor 10 comprising: a plurality of winding assemblies 13, and a magnetic core having two poles 12 coupled to a respective one of the winding assemblies, the magnetic core including first and second parallel faces extending substantially perpendicular to a quadrature axis of the magnetic core, first and second projections 14 connected to the first and second parallel faces

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and extending beyond the parallel faces in a direction along the quadrature axis in opposite directions.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 16-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fokuda et al. (US 5,811,907) in view of Stockmayer et al. (EP 0942517).

Fokuda et al. disclose the rotor essentially as claimed. However, Fokuda et al. do not disclose the magnetic core including a spindle having first and second flat surfaces extending perpendicular to the direct axis of the magnetic core.

Stockmayer et al. disclose in Figure 2 a rotor and a magnetic core furnished with a spindle 6 having first and second flat surfaces extending perpendicular to the direct axis of the magnetic core for the purpose of transferring the torque from the machine in case of motor system or to the machine in case of generator system.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to design the rotor as taught by Fokuda et al. and to provide the magnetic core including a spindle having first and second flat surfaces extending perpendicular to the direct axis of the magnetic core as taught by Stockmayer et al. for the purpose of transferring the torque to or from the rotor.

Allowable Subject Matter

6. Claims 1-11 are allowed.

The feature of the plurality of bars extending parallel to the rotational axis of the magnetic core, a radially outward surface of each of the bars being connected to a respective radially inner surface of each of the rings, in combination with the other limitations present, are neither disclosed nor taught by the prior art of record.

Prior Art

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph Waks whose telephone number is (571) 272-2037. The examiner can normally be reached on Monday through Thursday 8 am to 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren E. Schuberg can be reached on (571) 272-2044. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Joseph Waks
Primary Examiner
Art Unit 2834

6/21/05